

Transmitted herewith for filing is the patent application of:  
Inventor(s): **Masahiro TAKEUCHI**  
For: **METHODS FOR MANUFACTURING SEMICONDUCTOR DEVICES AND SEMICONDUCTOR DEVICES HAVING TRENCH ISOLATION REGIONS**

Enclosed are:  
☒ Pages of text and 9 Sheet(s) of drawings (☒ formal ☐ informal) + 0 extra copies  
A certified copy of 2000-246215, filed 15 August 2000, in Japan, from which priority is claimed in the subject case pursuant to Rule 55(b) and 35 USC 119. ☒ Will follow.  
Declaration and Power of Attorney. ☒ Will Follow.

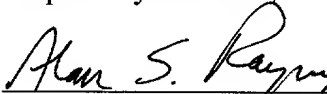
CALCULATION OF FEES					
ITEM		NUMBER OF CLAIMS FILED MINUS BASE*	NUMBER OF CLAIMS OVER BASE x RATE SM/LG ENTITY	\$ AMOUNT	\$ FEE
A	TOTAL CLAIMS FEE	31 - 20* =	x \$9.00 or 11 x \$18.00	\$198	
B	INDEPENDENT CLAIMS FEE**	5 - 3* =	x \$40.00 or 2 x \$80.00	\$160	
C	SUBTOTAL - ADDITIONAL CLAIMS FEE (ADD FINAL COLUMN IN LINES A + B)				\$358.00
D	BASIC FEE – SMALL ENTITY FEE = \$355.00 / LARGE ENTITY FEE = \$710				\$710.00
E	MULTIPLE-DEPENDENT CLAIMS FEE – SMALL ENTITY FEE = \$130.00 /LARGE ENTITY FEE = \$260				\$0
F	ASSIGNMENT RECORDING FEE \$ 40.00				\$0
G	TOTAL FEE (ADD LINES C, D, E AND F)				\$1068.00
**LIST INDEPENDENT CLAIMS 1, 14, 19, 27, 31					

☒ A check in the amount of \$ 1068.00 to cover the filing fee is enclosed. A copy of this letter is enclosed.

☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-0585. A duplicate copy of this sheet is enclosed.

☒ Any additional filing fees required under 37 CFR 1.16.

☒ Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,  
  
Alan S. Raynes, Reg. No. 39,809

Date: August 15, 2001

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of )  
**Masahiro TAKEUCHI** )  
 )  
Serial No.: **To Be Assigned** )  
 )  
Filing Date: )  
 )  
For: **METHODS FOR MANUFACTURING** )  
**SEMICONDUCTOR DEVICES AND** )  
**SEMICONDUCTOR DEVICES HAVING** )  
**TRENCH ISOLATION REGIONS** )

**CERTIFICATE OF MAILING**

Assistant Commissioner for Patents  
Washington, DC 20231

Express Mail Label No.: EE 723 371 998 US  
Date of Deposit: August 15, 2001

I hereby certify that a utility patent application and patent application fee transmittal;  
patent application including 17 pages of text (including an abstract and 31 claims),  
9 sheets of drawings; a \$1068 check for the filing fee; and a return postcard are being  
deposited with the United States Postal Service "Express Mail Post Office to Addressee" service  
under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner  
for Patents, Box Patent Application, Washington, DC 20231.

August 15, 2001  
Date of Deposit

Alan S. Raynes  
Name of person mailing papers  
Alan S. Raynes  
Signature